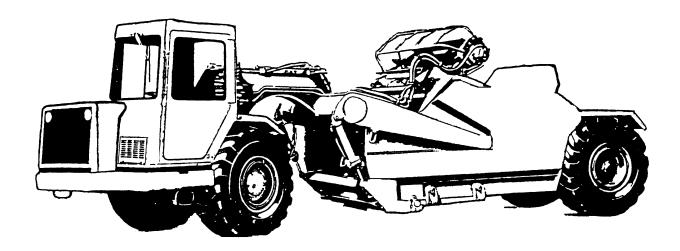
SCRAPER



SYSTEM IDENTIFIERS						
NOMENCLATURE:	Scraper, Elevating: Self-Propelled, CAT 621B					
SSN:	R02800					
LIN:	S30039					
NSN:	3805-01-144-8837					
AMIM NO:						
EIC:	EH2					
FUEL TYPE:	DIESEL					

SYSTEM DESCRIPTION

The CAT 621B is a 4X4, pneumatic-tired, elevating, self-propelled scraper. The scraper has a single diesel engine and articulated frame steering. It is employed by engineer units for loading, hauling and spreading earth materials from its open bowl.

There are no separately authorized components identified with this weapon/materiel system.

S	\mathbf{C}	R	Δ	P	F	R
J	u	\mathbf{r}	м	г		П

LIN NSN NOMENCLATURE

SYSTEM VARIANTS

 MDS
 LIN
 NSN

 SCRAPER
 S56246
 3805-01-153-1854

This summary provides an overview of FY 94 Total Army operating and support costs and other information for the weapon system. Average cost per system is displayed so the data can be used in performing analyses and cost studies. Average costs are calculated using the end item's density. NET REPARABLES represent the cost with the Major Subordinate Command (MSC) specific credit rates applied (detailed in Section 1 - Overview).

SCRAPER FY 94 TOTAL ARMY COST SUMMARY (FY 94 Constant Dollars)

820

DENSITY

NUMBER OF SYSTEMS

DEPOT END ITEM MAINTENANCE (5.061)

TOTAL \$77,072
QUANTITY COMPLETED 0
AVG COST/END ITEM \$0.00

CLASS III-POL (5.05)

NOT AVAILABLE

DEPOT SECONDARY ITEM MAINTENANCE

TOTAL \$0
QUANTITY COMPLETED 0
AVG COST/SECONDARY ITEM \$0.00

CLASS V-AMMUNITION (2.11)

NOT APPLICABLE

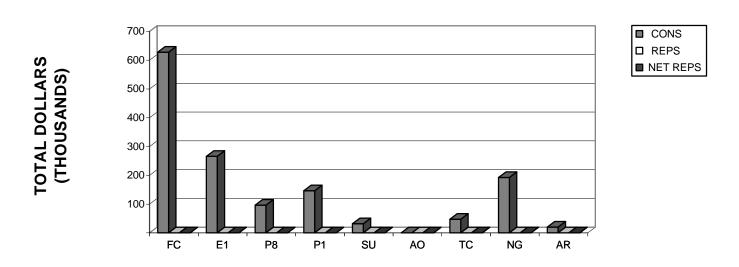
INTERMEDIATE MAINTENANCE										
	DS/GS	CIVILIAN								
MIL/CIV LABOR COST	\$48,269	\$13,259								
AVG COST/SYSTEM	\$58.86	\$16.17								
MAINTENANCE MANHOURS MMHs/SYSTEM	2,906 3.54	553 0.67								

CLASS IX MATERIEL-PARTS (5.04/5.03)

	FY 94	AVG COST
	<u>DOLLARS</u>	PER SYSTEM
CONSUMABLES	\$1,427,435	\$1,740.77
NET REPARABLES	\$0	\$0.00
NET TOTAL COSTS	\$1,427,435	\$1,740.77

The following graph and table display FY 94 Class IX costs for consumables (CONS), reparables, (REPS), and net reparables (NET REPS) by MACOM. CONS and REPS are the total costs of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. TOTAL ARMY (TA) costs are the summation of costs across all MACOMs in the table. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems for each MACOM.

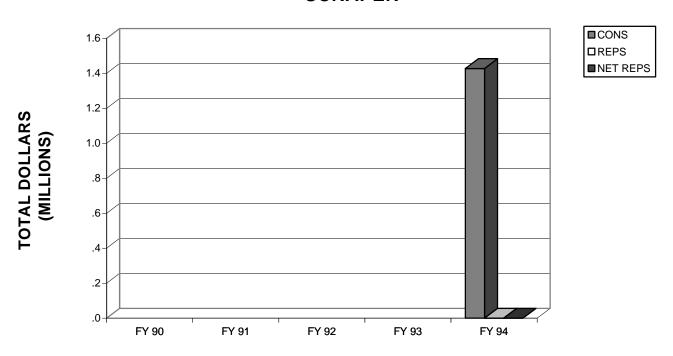
SCRAPER



	SCRAPER										
FY 94 MACOM CLASS IX COSTS											
	MACOM NET NET TOTAL NUMBER OF AVG PER										
CODE	NAME	CONS	REPS	REPS	COSTS	SYSTEMS	SYSTEM				
FC	FORSCOM	627,270	0	0	627,270	118	5,316				
E1	USAREUR	265,599	0	0	265,599	26	10,215				
P8	EUSA	96,530	0	0	96,530	11	8,775				
P1	USARPAC	146,156	0	0	146,156	22	6,643				
SU	USARSO	31,880	0	0	31,880	8	3,985				
AO	USASOC	0	0	0	0	0	0				
TC	TRADOC	47,352	0	0	47,352	47	1,007				
NG	ARNG	192,605	0	0	192,605	343	562				
AR	USAR	20,043	0	0	20,043	245	82				
TA	TOTAL ARMY	1,427,435	0	0	1,427,435	820	1,741				

The following graph and table display FY 90-94 Class IX costs for consumables (CONS), reparables (REPS) and net reparables (NET REPS) by Total Army. The Total Army costs are a summation of all the MACOMs displayed on the previous page. CONS and REPS are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems in the Total Army for the fiscal year. Blank rows indicate system was not tracked in the OSMIS database during that

SCRAPER



	SCRAPER FIVE YEAR TOTAL ARMY CLASS IX COSTS										
FISCAL			NET	NET	NUMBER OF	AVG PER					
YEAR	CONS	REPS	REPS	TOTAL COSTS	SYSTEMS	SYSTEM					
FY 90	FY 90										
FY 91											
FY 92											
FY 93	FY 93										
FY 94	1,427,435	0	0	1,427,435	820	1,741					

The Total Army Class IX costs from the previous pages are broken out by Work Breakdown Structure (WBS) in the following table. The FY 94 WBS Class IX costs for consumables (CONS) and reparables (REPS) are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). The NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. The TOTAL costs are a summation of all the WBS elements displayed in the table. NET TOTAL COSTS are the sum of the costs in CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS column by the total number of systems in the Army.

	SCRAPER FY 94 TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS											
				NET	NET	NUM OF	AVG PER					
WBS	NAME	CONS	REPS	REPS	TOTAL COSTS	SYSTEMS	SYSTEM					
01	HULL/FRAME	212,983	0	0	212,983	820	260					
02	SUSPENSION/STEER	278,249	0	0	278,249	820	339					
03	POWER PACKAGE	750,345	0	0	750,345	820	915					
04	AUX AUTOMOTIVE	55,756	0	0	55,756	820	68					
05	TURRET ASSEMBLY	0	0	0	0	0	0					
06	FIRE CONTROL	0	0	0	0	0	0					
07	ARMAMENT	0	0	0	0	0	0					
08	BODY/CAB	0	0	0	0	0	0					
09	AUTO LOADING	0	0	0	0	0	0					
10	AUTO/REMOTE PILOT	0	0	0	0	0	0					
11	NBC EQUIPMENT	0	0	0	0	0	0					
12	SPECIAL EQUIPMENT	36,978	0	0	36,978	820	45					
13	NAVIGATION	0	0	0	0	0	0					
14	COMMUNICATIONS	0	0	0	0	0	0					
15	VEH APP SOFTWARE	0	0	0	0	0	0					
16	VEH SYS SOFTWARE	0	0	0	0	0	0					
17	INT, ASSY, TEST, C/O	0	0	0	0	0	0					
18	OTHER	93,124	0	0	93,124	820	114					
	TOTAL	1,427,435	0	0	1,427,435	820	1,741					

The following table displays FY 90-94 Class IX costs by Work Breakdown Structure (WBS) for the Total Army. NET TOTAL COSTS are summation for all the WBS elements displayed on the previous page and are a sum of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the total number of systems in the Army for the fiscal year. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

	SCRAPER FIVE YEAR TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS										
		FY 90	FY 91	FY 92	FY 93	FY 94					
		NET TOTAL									
WBS	NAME	COSTS	COSTS	COSTS	COSTS	COSTS					
01	HULL/FRAME					212,983					
02	SUSPENSION/STEER					278,249					
03	POWER PACK					750,345					
04	AUX AUTOMOTIVE					55,756					
05	TURRET ASSEMBLY					0					
06	FIRE CONTROL					0					
07	ARMAMENT					0					
80	BODY/CAB					0					
09	AUTO LOADING					0					
10	AUTO/REMOTE PILOT					0					
11	NBC EQUIPMENT					0					
12	SPECIAL EQUIPMENT					36,978					
13	NAVIGATION					0					
14	COMMUNICATIONS					0					
15	VEH APP SOFTWARE					0					
16	VEH SYS SOFTWARE					0					
17	INT, ASSY, TEST, C/O					0					
18	OTHER					93,124					
	TOTAL					1,427,435					
	NUM OF SYSTEMS					820					
	AVG PER SYSTEM					1,741					

SCRAPER TOP 40 COST DRIVERS CLASS IX CONSUMABLES (NON-DLRs)

	NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 94 AMDF UNIT PRICE	FY 94 QTY
								<u> </u>
	2815011718490	ENGINE,DIESEL	03A	Н		K21IB	22,284.00	12.00
2.	2610005546222	TIRE PNEU	02A	Н		K21PP	1,914.00	85.61
3.	2520011718529	TRANSMISSION,MECHAN	03H	Н		K21IB	54,332.00	2.00
4.	2610005289691	TIRE PNEUMATIC MININ	02A	Н		K21PP	2,955.00	29.00
5.	2530010566523	BRAKE,SHOE TYPE	03Q	Z		J2200	349.36	215.00
6.	4440010800933	PARTS KIT,CARTRIDGE	18	Z		J2200	108.04	303.56
7.	4210011273648	VALVE,CONTROL,AUTOM	04B	F		J2100	4,037.57	7.00
8.	2530011844651	BRAKE DRUM	03Q	F		J2100	846.56	28.00
9.	6140012502113	BATTERY,STORAGE	18	F		Q2100	150.02	152.00
10.	2610004557138	TIRE PNEUMATIC	02A	Z		K22PP	57.53	353.59
	2530011786684	CHAMBER,AIR BRAKE	03Q	0		J2100	266.09	62.00
12.	2920010664743	MOTOR,STARTER	03A	F		J2100	679.51	20.00
13.	3040011826897	CYLINDER ASSEMBLY	03K	F		J2100	3,387.97	4.00
14.	2530011762964	ADJUSTER,SLACK,BRAK	03Q	0		J2100	310.10	40.00
15.	2530011762963	ADJUSTER,SLACK,BRAK	03Q	0		J2100	318.76	35.00
16.	2910010512341	FILTER ELEMENT,FLUI	03A	Z		J2200	12.44	844.91
17.	3040011826898	CYLINDER ASSEMBLY	03K	F		J2100	1,414.15	7.00
18.	3830008287053	BIT,ROUTING,BOWL	12E	Z		J2200	114.94	85.00
19.	3805012052154	FRAME ASSEMBLY,APRO	12E	Н		J2100	4,743.97	2.00
20.	3040011824478	CYLINDER ASSEMBLY	03K	F		J2100	1,812.78	5.00
21.	2920002317270	GENERATOR, ENGINE AC	03A	F		J2100	714.13	11.40
22.	3805011783178	CUTTING EDGE,BOWL,S	12E	Z		J2200	146.30	55.00
23.	3040011824479	CYLINDER ASSEMBLY	03K	F		J2100	3,906.95	2.00
24.	2590011844634	CYLINDER ASSEMBLY,A	01H	Z		J2200	306.38	23.00
25.	2940010184872	FILTER ELEMENT,INTA	03A	В		J2200	24.22	270.10
26.	2590011783131	CYLINDER ASSEMBLY,A	01H	0		J2100	6,496.03	1.00
27.	2510011860976	WINDOW, VEHICULAR	01A	Z		J2200	405.65	16.00
28.	3805011783177	CUTTING EDGE,BOWL,S	12E	Z		J2200	73.81	87.00
29.	2530011272350	CYLINDER ASSEMBLY,A	03Q	F		J2100	1,483.17	4.00
30.	5330011847819	SEAL ASSEMBLY,SHAFT	01A	0		T2100	167.80	34.00
31.	2520010635742	ACCUMULATOR	03H	Z		J2200	283.54	20.00
32.	2540011842289	MIRROR ASSEMBLY,REA	01H	Z		J2200	141.95	35.53
33.	5315011841021	PIN,SHOULDER,HEADED	01A	Z		T2200	381.78	13.00
34.	6220011800858	STOP LIGHT-TAILLIGH	01A	0		J2100	42.30	117.00
35.	2520012178126	DRIVE SHAFT ASSEMBL	03K	Z		J2200	4,939.10	1.00
36.	3040012058789	CYLINDER,ACTUATING,	03K	Z		J2200	2,449.46	2.00
37.	2540011844688	MAT,FLOOR	01H	Z		J2200	281.06	17.00
38.	2910011859639	TANK,FUEL,ENGINE	03A	Z		J2200	4,688.75	1.00
39.	2530011844704	WHEEL,PNEUMATIC TIR	02A	Z		J2200	4,667.26	1.00
40.	2530012023594	DRYER ASSEMBLY,AIR	03Q	0		J2100	571.13	8.00

NUMBER OF SYSTEMS 820

NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING

SCRAPER CONSUMABLES (NON-DLRs)

	AVERAGE COS			FIVE	FY 90-94 EYEAR AVERAGE
EXTENDED COST	PER		PER		
(QTY * UNIT PRICE)	SYSTEM		100 SYSTEMS	QTY	EXTENDED COST
267,408	326.11		1.4634		
163,857	199.83		10.4402		
108,664	132.52		0.2439		
85,695	104.51		3.5366		
75,112	91.60		26.2195		
32,796	40.00		37.0195		
28,264	34.47		0.8537		
23,704	28.91		3.4146		
22,804	27.81		18.5366		
20,343	24.81		43.1207		
16,497	20.12		7.5610		
13,591	16.57		2.4390		
13,552	16.53		0.4878		
12,404	15.13		4.8780		
11,157	13.61		4.2683		
10,511	12.82		103.0378		
9,899	12.07		0.8537		
9,770	11.91		10.3659		
9,488	11.57		0.2439		
9,064	11.05		0.6098		
8,140	9.93		1.3902		
8,047	9.81		6.7073		
7,814	9.53		0.2439		
7,047	8.59		2.8049		
6,543	7.98		32.9390		
6,496	7.92		0.1220		
6,491	7.92		1.9512		
6,422	7.83		10.6098		
5,933	7.24		0.4878		
5,704	6.96		4.1463		
5,671	6.92		2.4390		
5,043	6.15		4.3329		
4,963	6.05		1.5854		
4,949	6.04		14.2683		
4,939	6.02		0.1220		
4,899	5.97		0.2439		
4,778	5.83		2.0732		
4,689	5.72		0.1220		
4,667	5.69		0.1220		
4,569	5.57		0.9756		
1,000	0.01		3.0100		
1,062,384	74.4%	TOP 40			
365,051	25.6%	OTHERS			
4 407 405					
1,427,435					

SCRAPER COST DRIVERS CLASS IX REPARABLES (DLRs)

						FY 94 AMDF	FY 94	
NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	W/O CREDIT	W/CREDIT	QTY

NO DATA

SCRAPER REPARABLES (DLRs)

		FY 90-94		
EXTENDED COST	(W/CREDIT)	AVERAGE QUANTITY	FIVE Y	'EAR AVERAGE
(W/CREDIT)	PER	PER		EXTENDED COST
(QTY * UNIT PRICE)	SYSTEM	100 SYSTEMS	QTY_	(W/CREDIT)

NO DATA

The following table summarizes FY 94 Depot Maintenance Costs from the Master File Maintenance (MFM). Depot maintenance costs are displayed by cost elements for end item maintenance and secondary item maintenance. The OTHER cost columns represent work categories such as progressive maintenance, renovation, and fabrication/manufacture. For reporting purposes, TRANSPORTATION costs recorded in the World Aircraft Logistics Conference (WALC)/Special Aircraft Assignment Mission (SAAM) records are shown in the OTHER maintenance category.

SCRAPER FY 94 DEPOT MAINTENANCE COSTS										
COST		END I	TEM			SECONDARY	TITEM			
ELEMENTS		MAINTE	NANCE			MAINTENA	NCE			
	REPAIR	OVERHAUL	OTHER	MODIFICATION	REPAIR	OVERHAUL	OTHER			
CIVILIAN LABOR	15,193	0	0	0	0	0	C			
MILITARY LABOR	0	0	0	0	0	0	C			
MATERIEL	3,636	0	0	0	0	0	C			
TRANSPORTATION	0	0	0	0						
OVERHEAD	57,815	0	0	0	0	0	C			
CONTRACT	0	0	0	0	0	0	C			
OTHER	428	0	0	0	0	0	C			
TOTAL	77,072	0	0	0	0	0	C			
QTY COMPLETED	0	0	0	0	0	0	C			
AVG COST	0	0	0	0	0	0	C			

The table below summarizes FY 94 Intermediate Maintenance Costs from the Work Order Logistics File (WOLF) data. The labor hours and labor costs for Direct Support/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS LABOR COSTS are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate (\$16.61). CIVILIAN LABOR COSTS are a summation from the source data.

SCRAPER									
	FY 94 INTERMEDIATE MAINTENANCE COSTS								
	DS/GS LABOR	DS/GS	CIVILIAN	CIVILIAN	CIVILIAN LABOR				
MACOM	HOURS	LABOR COSTS	LABOR HOURS*	LABOR COSTS [*]	COST/HOUR				
FORSCOM	693	11,511	429	10,153	23.67				
USAREUR	177	2,940							
EUSA	21	349							
USARPAC	312	5,182							
USARSO	68	1,129							
USASOC	0	0							
TRADOC	0	0	124	3,106	25.05				
ARNG	1,449	24,068							
USAR	186	3,089							
TOTAL ARMY	2,906	48,269	553	13,259	23.98				

^{*}TRADOC LABOR HOURS and LABOR COSTS include contractor hours and costs.

The following table summarizes FY 90-94 Depot Maintenance Costs. The depot maintenance data are recorded in MFM. FY 94 costs are a summation of the cost elements displayed on the previous page. END ITEM OVERHEAD costs were not separately identified prior to FY 92. TRANSPORTATION costs are recorded in the WALC/SAAM records. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

SCRAPER FIVE YEAR DEPOT MAINTENANCE COSTS										
COST ELEMENTS	END ITEM MAINTENANCE					SECONDARY ITEM MAINTENANCE				
	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
CIVILIAN LABOR					15,193					0
MILITARY LABOR					0					0
MATERIEL					3,636					0
TRANSPORTATION					0					
OVERHEAD					57,815					0
CONTRACT					0					0
OTHER					428					0
TOTAL	·				77,072					0
QTY COMPLETED					0					0
AVG COST					0					0

The table below sumarizes FY 90-94 Intermediate Maintenance Costs from WOLF. The fiscal year total costs for Direct/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS labor costs are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate. DS/GS COST PER HR is the E-5 composite standard rate in FY 94 constant dollars. CIVILIAN LABOR COSTS are a summation from the source data. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

	SCRAPER									
FIVE YEAR INTERMEDIATE MAINTENANCE COSTS										
		DIRECT/0	GENERAL S	SUPPORT				CIVILIAN		
	INTI	ERMEDIAT	E MAINTEN	IANCE (DS	/GS)		MAIN	ITENANCE	(CIV)	
MACOM	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
FORSCOM					11,511					10,153
USAREUR					2,940					
EUSA					349					
USARPAC					5,182					
USARSO					1,129					
USASOC					0					
TRADOC					0					3,106
ARNG					24,068					
USAR					3,089					
TOTAL ARMY					48,269					13,259
LABOR HRS					2,906					553
COST PER HR					16.61					23.98

The following list shows the FY 94 Secondary Item - Rebuilds/Overhauls Cost Drivers recorded in the MFM. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 94 TOTAL COST TO REBUILD/OVERHAUL by FY 94 QTY COMPLETED.

SCRAPER FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS								
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 94 TOTAL COST TO REBUILD/ OVERHAUL	FY 94 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL			
	N	O DATA AVAI	LABLE					

The following list shows the FY 94 Secondary Item Maintenance - Repairs Cost Drivers recorded in MFM. AVG COST TO REPAIR is calculated by dividing the costs in FY 94 TOTAL COST TO REPAIR by FY 94 QTY COMPLETED.

SCRAPER FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS							
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 94 TOTAL COST TO REPAIR	FY 94 QTY COMPLETED	AVG COST TO REPAIR		
	N	O DATA AVAI	LABLE				

The following list shows the FY 90-94 Secondary Item - Rebuild/Overhauls Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 90-94 TOTAL COST TO REBUILD/OVERHAUL by FY 90-94 QTY COMPLETED.

SCRAPER FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS								
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 90-94 TOTAL COST TO REBUILD/ OVERHAUL	FY 90-94 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL			
	N	O DATA AVAI	LABLE					

The following list shows the FY 90-94 Secondary Item - Repairs Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REPAIR is calculated by dividing the costs in FY 90-94 TOTAL COST TO REPAIR by FY 90-94 QTY COMPLETED.

SCRAPER FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS						
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 90-94 TOTAL COST TO REPAIR	FY 90-94 QTY COMPLETED	AVG COST TO REPAIR	
	N	O DATA AVAI	LABLE			

CHOOSE A VOLUME FOR MORE SYSTEMS



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